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with 6x SSP at 65°C for 10 minutes and washed twice with 2x SSP, 0.1% SDS at 42°C for 10 minutes, said nucleotide sequence encoding an amino acid sequence having nicotianamine aminotransferase activity.

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- 3. (Twice Amended) The isolated nucleic acid according to claim 2, which has a nucleotide sequence encoding the amino acid sequence represented by SEQ ID NO: 2 or 4.
- 4. (Twice Amended) The isolated nucleic acid according to claim 3, which has a nucleotide sequence represented by SEQ ID NO: 1 or 3.
 - 5. (Amended) A plasmid comprising a nucleic acid comprising
- (a) a nucleotide sequence encoding an amino acid sequence represented by SEQ ID NO: 2 or 4 and having nicotianamine aminotransferase activity, or
- (b) a nucleotide sequence which hybridizes to the nucleotide sequence of (a), when incubated in a solution of 5 x Denhart's solution, 5x SSPE and 0.1% SDS at 65°C for 12 hours, washed once with 6x SSP at 65°C for 10 minutes and washed twice with 2x SSP, 0.1% SDS at 42°C for 10 minutes, said nucleotide sequence encoding an amino acid sequence having nicotianamine aminotransferase activity.

- 6. (Amended) An expression plasmid comprising:
- (1) a promoter that functions in a host cell,
- (2) a nucleic acid comprising
- (a) a nucleotide sequence encoding an amino acid sequence represented by SEQ ID NO: 2 or 4 and having nicotianamine aminotransferase activity, or
- (b) a nucleotide sequence which hybridizes to the nucleotide sequence of (a), when incubated in a solution of 5 x Denhart's solution, 5x SSPE and 0.1% SDS at 65°C for 12 hours, washed once with 6x SSP at 65°C for 10 minutes and washed twice with 2x SSP, 0.1% SDS at 42°C for 10 minutes, said nucleotide sequence encoding an amino acid sequence having nicotianamine aminotransferase activity, and
- (3) a terminator that functions in a host cell, operably linked in the above described order.
- 7. (Amended) A process for constructing an expression plasmid, which comprises combining:
 - (1) a promoter that functions in a host cell,
 - (2) a nucleic acid comprising
 - (a) a nucleotide sequence encoding an amino acid sequence represented by SEQ ID NO: 2 or 4 and having nicotianamine aminotransferase activity, or
 - (b) a nucleotide sequence which hybridizes to the nucleotide sequence of (a), when incubated in a solution of

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5 x Denhart's solution, 5x SSPE and 0.1% SDS at 65°C for 12 hours, washed once with 6x SSP at 65°C for 10 minutes and washed twice with 2x SSP, 0.1% SDS at 42°C for 10 minutes, said nucleotide sequence encoding an amino acid sequence having nicotianamine aminotransferase activity, and

- (3) a terminator that functions in a host cell, operably linked in the above described order.
- 8. (Amended) A host cell transformed with the plasmid as defined in claim 5 or 6.
- 9. (Amended) The host cell according to claim 8, wherein the host cell is a microorganism.
- 10. (Amended) The host cell according to claim 8, wherein the host cell is a plant cell.

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11. (Amended) A process for enhancing iron absorbing ability of a plant cell, which absorbs iron making use of mugineic acid compound, which process comprises

introducing into a plant cell which absorbs iron making use of mugineic acid compounds an expression plasmid formed by combining

- (1) a promoter that functions in said cell,
- (2) a nucleic acid comprising

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- (a) a nucleotide sequence encoding an amino acid sequence represented by SEQ ID NO: 2 or 4 and having nicotianamine aminotransferase activity, or
- (b) a nucleotide sequence which hybridizes to the nucleotide sequence of (a), when incubated in a solution of 5 x Denhart's solution, 5x SSPE and 0.1% SDS at 65°C for 12 hours, washed once with 6x SSP at 65°C for 10 minutes and washed twice with 2x SSP, 0.1% SDS at 42°C for 10 minutes, said nucleotide sequence encoding an amino acid sequence having nicotianamine aminotransferase activity, and
- (3) a terminator that functions in said cell, operably linked in the above described order.

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- 13. (Amended) The process according to claim 11, wherein the nucleic acid sequence of the nicotianamine aminotransferase comprises:
- (a) a nucleotide sequence encoding an amino acid sequence represented by SEQ ID NO: 2 or 4 and having nicotianamine aminotransferase activity, or
- (b) a nucleotide sequence which hybridizes to the nucleotide sequence of (a), when incubated in a solution of 5 x Denhart's solution, 5x SSPE and 0.1% SDS at 65°C for 12 hours, washed once with 6x SSP at 65°C for 10 minutes and washed twice with 2x SSP, 0.1% SDS at 42°C for 10 minutes, said nucleotide sequence

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encoding an amino acid sequence having nicotianamine aminotransferase activity.

Please add the following new claim:

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- --21. (New) An isolated nucleic acid comprising:
- (a) a nucleotide sequence encoding an amino acid sequence represented by SEQ ID NO: 2 or 4 and having nicotianamine aminotransferase activity, or
- (b) a nucleotide sequence which hybridizes to the nucleotide sequence of (a), when incubated in a solution of 5x Denhart's solution, 5x SSPE and 0.1% SDS at 65°C for 12 hours, washed once with 6x SSP at 65°C for 10 minutes and washed twice with 2x SSP, 0.1% SDS at 42°C for 10 minutes, said nucleotide sequence encoding an amino acid sequence having nicotianamine aminotransferase activity and said nucleotide sequence comprising at least 600 nucleotides.--